

# Compile on Slackware

## Building OpenCPN package in Slackware

Building a package in Slackware is a bit more intricate than the way described above (see: [http://www.slackwiki.com/Building\\_A\\_Package](http://www.slackwiki.com/Building_A_Package) ).

A simplified way is to use **src2pkg**.

You can build a Slackware package using src2pkg, that's what the sketch below is about.

-Please note that Slackware, unlike Debian-apt-get, Fedora-yum and OpenSuSE-zypper, does not solve dependencies.

You have to take care of that yourself and build and install the packages in correct order.

Concerning the Slackbuilds below, we present them in that order.

First, as for the other distributions, uninstall any previous installation:

```
bash-4.2# removepkg opencpn
```

### 1. Dependencies:

Provided a **full Slackware installation**(the ordinary “Slackware way” and presumed by the scripts from Slackbuilds.org):

Install src2pkg from <http://distro.ibiblio.org/amigolinux/download/src2pkg/>

After installation it takes you through a guided setup, default values are usually good enough.

Then build and install:

Either: gpsd tinyxml wxPython portaudio from Slackbuilds.org\*

Or better: gpsd tinyxml libmspack portaudio wxGTK from Slackbuilds.org

If you choose wxGTK you must edit the Slackbuildscript for wxGTK and add `-enable-graphics_ctx` under `.configure` according to the following:

```
./configure \  
  
--prefix=/usr \  
  
--libdir=/usr/lib${LIBDIRSUFFIX} \  
  
--sysconfdir=/etc \  
  
--enable-shared \  
  
--enable-graphics_ctx \ # **add this**.
```

```
--enable-mediactrl \  
--with-opengl \  
--${_do_unicode}able-unicode \  
--build=$ARCH-slackware-linux
```

## 2. Download and pack source code

Get the current beta sourcecode by

```
bash-4.2$ git clone git://github.com/OpenCPN/OpenCPN.git
```

*or as the stable is released:*

```
bash-4.2$ git clone -b release32_stablehttps://github.com/OpenCPN/OpenCPN.git
```

*You'll get the directory OpenCPN. Change the name of the directory to lowercase letters and add it's version number (you can read it from OpenCPN/VERSION.cmake) opencpn-3.2.2 (or version-number of your download)  
pack it to a .tar.gz*

```
bash-4.2$ tar czf opencpn-3.2.2.tar.gz opencpn-3.2.2/
```

## 3. Build package

Go superuser and use src2pkg

```
bash-4.2$ su  
Password: *****  
  
bash-4.2# src2pkg opencpn-3.2.2.tar.gz
```

the package goes to /tmp

## 4. Install it:

```
bash-4.2# installpkg /tmp/opencpn-3.2.2-x86_64-1.txz (-i486 for x86 arch)
```

Built in this way it installs in /usr/  
In XFCE it goes to Applications Menu “Education”.

## Notes about the dependencies

\*wxPython -ca 20MB- is a heavy package and includes among other things python-bindings that are not needed by OpenCPN.

wxGTK -ca 4MB- is -according to Slackbuilds.org a part of wxPython and conflict if both are installed. See wxGTK-README.

WxGTK + libmspack are enough for OpenCPN provided the Slackbuildscript is edited as suggested above.

From:

<https://opencpn.org/wiki/dokuwiki/> - **OpenCPN Manuals**

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